

**PRELIMINARY AMENDMENT
National Stage Entry
of PCT/EP03/006509**

Please add the following new Abstract of the Disclosure:

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ABSTRACT OF THE DISCLOSURE

The invention relates to an *in-vitro* and *in-vivo* method for multiplying and differentiating cells, during which the growth process of the cells is initiated or terminated and structurally directed by the use of growth factors thrombopoietin (TPO) and/or erythropoietin (EPO), and/or growth hormone (GH), particularly human growth hormone (HGH), and/or somatostatin and/or leukemia inhibitor factor (LHF) and/or ciliary neurotropic factor (CNTF). The invention relates to a biological matrix or supporting structure containing the aforementioned growth factors, and to a method and device for the production thereof and for carrying out the inventive method.